I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Ampill No. EV 301-210-233 US, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: Signature: Circum Mindelly

Docket No.: CIBT-P02-130

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Huston et al.

Application No.: Not Yet Assigned

Confirmation No.:

Filed: October 10. 2003

Art Unit: N/A

For:

BIOSYNTHETIC BINDING PROTEINS FOR

IMMUNO-TARGETING

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

Those patent(s) or publications(s) in the attached form Form PTO-1449 are not supplied because they were previously cited by or submitted to the Office in a prior application number 09/558,741, filed April 26, 2000 and relied upon in this application for an earlier filing date under 35 U.S.C.120.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this

Application/Control No. 09/558,741 Reexamination HUSTON ET AL. Examiner Larry R. Helms Applicant(s)/Patent Under Reexamination HUSTON ET AL. Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classit	ication
山图	Α	US-6,207,804	03-2001	Huston et al		
	В	US-				
	С	US-				<u>. </u>
	D	US-			' у	
	É	US-				
	F	US-				
	G	US-				
	Н	US-				
	1	US-				
	J	US-				
	к	US-				
	L	US-				
	М	US-				

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification		
	N							
	0							
	Р							
	Q							
	R							
	S							
	Т							

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Klausner, BioTechnology 4:1041 and 1043, 12/86
	v	Rudikoff et al., Proc. Natl. Acad. Sci. USA 79:1979-83, 1982
	w	Pastan et al., Cell 47:641-648, 12/86
	x	Jones et al., Nature 321:522-25, 5/86

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).) Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

															
FORM P	ORM PTO-1449				ATTY DO	CKET NO.	. PP(0926.	105						
ENFORK	(ATIO	N DISCI	LOSURE S	iatehent	APPLICANT: Huston et al.										
				<u> </u>	Serial No.: 09/558,741										
]	FILING DATE: 4026/200/2007 GROUP: unassigned					ned					
				U.S	S. PATENT	DOCUREN	TS		_						
EXAM. INIT.		DOC	UKENT BER	DATE	NAK	E		CLA	SS	SUB FILING DATE CLASS IF APPROPRIATE					
LAB	AA	4,47	2,509	09/18/84	Gansov	et al.		 436	,	 548	•	. 			
	AB		9,930	10/30/84	Hnatovi	ch		424	1	1.1		1			
	AC		3,894	06/28/88	Frankel	et al.		1 436	5	548					
	AD		6,778	108/07/90				435	 5	69.6					
	AE		1,513	102/25/92				530) .	387					
	AF		2,405	07/21/92				530)	387.	3				
		İ	<u></u>			<u> </u>									
		<u></u>		PORET	CN PATENT	r Documen	NTS	-1		•		· · · · · · · · · · · · · · · · · · ·			
EXAM. INIT.			UKENT BER	DATE	COUNTRY		SUB	•	PII	LING	ABST ONL	TRACT			
	 BA	Ť ·	6/03523		PCT	 									
	ВВ		3/09344		PCT	<u> </u>	 						ENGLISH LANG Y/N LANG Y/N INDICATE "Myocardi Indium-111 Rapid and		
	BC				EPO	į		i				Vol. 253, No. 2			
	BD				PCT	<u> </u>		i			 				
· · · · ·	BE		3/06217		PCT										
		1 - 0 / 1	37 0 92 27	•	r, JOURNA	I APTICI	PC 1	PTC		-	<u>'</u>		· · · · · · · · · · · · · · · · · · ·		
HAX3 INI				OTHER AK	<u> </u>	DATE:	,,,,,,	<u> </u>		GRO			······································		
		CA	Saul at	al (1079)			Biol	ogic:	. I C			Vo.1	253 No 2		
<u> </u>	i	<u></u>	pp. 585	-597, "Pred t from Hum	liminary	Refineme	ent a	nd Si	truc	tural	Anal	ysis	of the Fab		
		CB											"Wyon and in		
<u> </u>		CB	Infarct	Imaging o	f Antiboo	lies to (Canin	e Ca	rdia	s, pp.	sin v	/15/ /ith]	ndium-111-		
		CC	1	enetriamin			•		0.2		00 (lanid and		
		CC	efficie	(1985) Pro ent site-sp	c. Natl. ecific mu	Acad. So utagenes	is vi	thou	82, t pl	pp. 4 nenoty	/pic :	select	kapid and tion"		
		CD	Chen et	al. (1985) DNA, Vo	ol. 4, N	o. 2,	pp.	16	5-170,		 -			
			"Labora Sequenc	tory Hetho ing Plasmi	ds Supero	coil Seq	uenci	ng:	A F	ast ar	nd Si	mple_	method for		
EXAH	INER		/Lynn 1	Bristol/		 DA	TE CO	ONSIC	ERE	D	02/2	5/200	7		
						-									

ORH P	ORM PTO-1449				ATTY DOCKET NO.: PPO926.105						
NFORM	MITON	DISCLOSURE ST	TATEMENT	APPLICANT: Huston et al. Serial No.: 09/558,741							
				FILING	FILING DATE: 4/26/00 GROUP: unassigned						
			POREI	CN PATENT DOCUMENTS COUNTRY SUB FILING ABSTRACT ENGLISH							
MAX.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE		LANG Y/N		
	BF	W093/11161	06/10/93	PCT	<u> </u>		<u> </u>	<u> </u>			
	BG	W093/11162	06/10/93	PCT			<u> </u>		<u> </u>		
	ВН	W093/15210	 08/05/93	PCT							
	<u> </u> 				<u> </u>	<u> </u>	<u> </u>				
					 	!		,			
]							1			
					1				1		
	1			· · · · · · · · · · · · · · · · · · ·	1	<u> </u>					
	╁┈─										
	1				<u> </u>	-	-		-		
	-								 		
	-		-		1	<u> </u>		-			
	1	<u> </u>		<u> </u>	 	1	 				
	<u> </u>		<u> </u>	<u> </u>	-	<u> </u>	<u> </u>		_		
	<u> </u>			<u> </u>		-	<u> </u>				
	-		_		ļ	<u></u>		<u> </u>			
	<u> </u>										
	1			<u> </u> 							
				T							
	-	1	<u> </u>	 	<u> </u>						
	+			 	 	1	<u> </u>		i		
					<u> </u>		-				
	1			1					+		
			<u> </u>	1							

PORM PTO-1449	ATTY DOCKET NO.: PP0926.105
INFORMATION DI	SCLOSURE STATEMENT APPLICANT: Huston et al.
	Serial No.: 09/558,741
EXAM. INIT.	FILING DATE: 4/26/00 GROUP: unassigned
or.	
CE	Bjorn et al. (1985) Cancer Research, Vol. 45, pp. 1214-1221, "Evaluation of Monocolonal Antibodies for the Development of Breast
i	Cancer Immunotoxins"
į ·	
CF	Fisher et al. (1986) Journal of Clinical Oncology. Vol. 4, No. 6, pp.
	929-941, "Ten-Year Results From the National Surgical Adjuvant Breast
	and Bowel Project (NSABP) Clinical Trial Evaluating the Use of L-Pheny-
	lalanine Hustard (L-PAM) in the Hanagement of Primary Breast Cancer"
icg	Satov et al. (1986) J. Mol. Biol., Vol. 190, pp. 593-604, "Phosphocho-
	line Binding Immunoglubolin Fab McPC603 An X-ray Diffraction Study
ļ	at 2.7 A"
CH	Amit et al. (1986) Science, Vol. 233, pp. 747-753, "Three-Dimensional
	Structure of An Antigen-Antibody Complex at 2.8 A Resolution"
cı	Sheriff et al. (1987) Proc. Natl. Acad. Sci. USA, Vol. 84, pp. 8075-
	8079, "Three-dimensional structure of an antibody-antigen complex"
İ	
CJ	[Colman et al. (1987) Nature, Vol. 326, pp. 358-363, "Three-dimensional
	structure of a complex of antibody with influenza virus neuraminidase"
l CK	
	Bartlet et al. (1987) The Lancet, Vol. II, No. 8552, pp. 171-175, "Adjuvant Tamoxifen in the Hanagement of Operable Breast Cancer:
i	The Scottish Trial"
1	
Cr	Aisner et al., (1987) Journal of Clinical Oncology, Vol. 5, No. 10, pp
•	1523-1533, "Chemotherapy Versus Chemoimmunotherapy (CAF v CAFVP v CHF
	Each ± HER) for Hetastatic Carcinoma of the Breast : A CALGB Study"
сн	Huston et al. (1988) Proc. Natl. Acad. Sci., Vo. 85, pp. 5879-5883,
	"Protein engineering of antibody binding sites: Recovery of specific
1	activity in an anti-digoxin single-chain Fv analogue produced in
!	Eschericha coli"
LON	15-f (1000) m
CN	Sefton (1988) Trends in Genetics, Vol. 4, No. 9, pp. 247-248, "neus
	about c-erb-B-2 and HER2"
co	Bird, et al. (1988) Science, Vol. 242, pp. 423-426, "Single-Chain
i	Antigen-Binding Proteins"
ļ	
<u>CP</u>	Vogel et al. (1988) Biochemistry, Vol. 28, pp. 2961-2966, "Binding
	Domains and Epitopes in Platelet-Derived Growth Factor"
lco	Orlandi et al. (1989) Proc. Natl. Acad. Sci. USA, Vol. 86, pp. 3833-
100	3837, "Cloning immunoglobulin variable domains for expression by the
i	polymerase chain reaction"
EXAMINER	DATE CONSIDERED

ORH PTO-14	49		ATTY DOCKET NO.: PP0926.1	05					
NOITAKROTK	DISCLOS	URE STATEMENT	APPLICANT: Huston et al.	APPLICANT: Huston et al.					
			Serial No.: 09/558,741						
EXAM. INIT.			 FILING DATE: 4/26/00	GROUP: unassigned					
CR	"D	istribution and	Cancer Research Vol. 49, Physical Properties of BCA Physical Properties of BCA Physical Properties of BCA	200, a H_200,000 Glyco-					
i cs			Annals of Internal Hedicine odies for Treating Cancer"	, Vol. 111, pp. 592-603,					
<u>C</u> T	r Gl	ockshuber et al Comparison of	. (1990) Biochemistry, Vol. Strategies to Stabilize Imm	29, pp. 1362-1367, unoglobulin F _v Fragments"					
cu		een et al. (198 humanized anti	9) Proc. Natl. Acad. Sci., body that binds to the inte	Vol. 86, pp. 10029-10033, rleukin 2 receptor"					
icv		rd et al. (1990 th Monoclonal A) Genes and Cancer, pp. 183 ntibodies"	-189, "Immunotherapy					
CV	No Ps	. 25, pp. 15198	0) The Journal of Biologica -15202, "Anti-Tac(Fv)-PE40, n Protein Directed at Inter	a Single Chain Antibody					
C	No	. 12, pp. 1006-	990) Journal of the Nationa 1015, "How to Use Prognosti ancer Patients"	al Cancer Institute, Vol. 8 ic Factors in Axillary Node					
C	<u>At</u> " <u>C</u>	stract Book Pro	90) The Journal of Nuclear ceedings of the 37th Annua and Biodistribution of Toestent (sFv)"	l Meeting, "Characteriza-					
<u> </u>	1	olcher et al. (1 197, "In Vivo Tu inding Protein"	990) J. Natl. Cancer Inst. mor Targeting of a Recombi	, Vol. 82, No. 14, pp. 1192 nant Single-Chain Antigen-					
C	TV6	ol. 171, No. 1,		ical Research Communication)-PE40: A Bifunctional Toxi rs"					
<u> </u>	I F	usion Protein Co	Biochemistry, Vol. 29, pp ontaining Fc-Binding Fragme Ferminal to Antidigoxin Sin						
lc	l t	oxicity, Second		and Targeted Cellular Cyto- pp. 201-206, "Bifunctional					
<u>C</u>	CD H	uston et al. (19		Kethods in Enzymology, Vol gle-Chain Fv Analogs and					
EXAMINER	·		DATE CONSIDER	RED					

APPLICANT: Huston et al. Serial No.: 09/558,741 FILING DATE: 4/26/00 GROUP: unassigned CCE Whitlow et al. (1991), Methods: A Companion to Methods in Enzymology, Vol. 2, No. 2, pp. 97-105, "Single-Chain Fv Proteins" CCF Nedelman et al. (1991) Abstract Form for Scientific Papers, No. 32070 The Society of Nuclear Medicine 38th Annual Neeting, "Rapid Infarct Imaging with a New Tc-99m Antimyosin sFv Fragment: Evaluation in Acute Hyocardial Infarction in Dogs" CCG Ualdmann (1991) Science, Vol. 252, pp. 1657-1662, "Monoclonal Antibodies in Diagnosis and Therapy" CCH Clackson et al. (1991) Nature, Vol. 352, pp. 624-628, "Making antibody fragments using phage display libraries" CCT Ring et al. (1991) Molecular Immunology, Vol. 28, No. 8, pp. 915-917, "Identity of BCA200 and c-erbB-2 Indicated by Reactivity of Monoclonal Antibodies vith Recombinant c-erbB-2" CCJ Hilenic et al. (1991) Cancer Research, Vol. 51, pp. 6363-6371, "Construction, Binding Froperties, Metabolism, and Tumopr Targeting of a Single-Chain Fv Derived from the Pancarcinoma Monoclonal Antibody CC49" CCK Vels et al. (1992) J. Steroid Biochem. Molec. Biol., Vol. 43, No. 1-3 pp. 1-7, "Diminution of Antibodies Directed Against Tumor Cell Surfact Epitopes: A Single Chain Fv Fusion Molecule Specifically Recognizes the Extracellular Domain of the c-erbB-2 Receptor" CCL Pack et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibodies: Use of Amphipathic Helics To Froduce Functional, Flexibility Linked Dimeric Fv Fragments with High Avidity in Escherichia coli" CCM Yokota et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody Froys Fragment and a bisFvys Conjugate" CCN Cumber et al. (1992) Biochenlogy, Vol. 10, pp. 1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single—Chain Antibody -Phosphatase Fusion Protein Targeted to the Human ERBB-Receptor" CCF Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413	<u>· · </u>			PP0926 105				
Serial No.: 09/558,741 FILING DATE: 4/26/00 GROUP: unassigned CCE Whitlow et al. (1991), Methods: A Companion to Methods in Enzymology, Vol. 2, No. 2, pp. 97-105, "Single-Chain Fw Froteins and Their Fusion Proteins" CCF Nedelman et al. (1991) Abstract Form for Scientific Papers, No. 32070 The Society of Nuclear Medicine 18th Annual Meeting, "Rapid Infarct Imaging with a New Tc-99m Antinyosin sFv Fragment: Evaluation in Acute Myocardial Infarction in Dogs" CCG Waldmann (1991) Science, Vol. 252, pp. 1657-1662, "Monoclonal Antibodies in Diagnosis and Therapy" CCH Clackson et al. (1991) Nature, Vol. 352, pp. 624-628, "Making antibody fragments using phage display libraries" CCI Ring et al. (1991) Molecular Immunology, Vol. 28, No. 8, pp. 915-917, "Identity of BCA200 and c-erbB-2 Indicated by Meactivity of Monoclonal Antibodies with Recombinant c-erbB-2" CCJ Milenic et al. (1991) Cancer Research, Vol. 51, pp. 6363-6371, "Construction, Binding Properties, Metabolism, and Tumopr Targeting of a Single-Chain Fv Derived from the Pancarcinoma Monoclonal Antibody CC49" CCK Vels et al. (1992) J. Steroid Biochem. Molecule Specifically Recognizes the Extracellular Domain of the c-erbB-2 Receptor" CCL Pack et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibodies: Use of Amphipathic Helics To Produce Functional, Flexibility Linked Dimeric Fv Fragments with High Avidity in Escherichia coli" CCM Yokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCN Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody Proys Fragment and a bisFvCys Conjugate" CCO Vels et al. (1992) Biochenhology, Vol. 10, pp.1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody Proys Fragment and a bisFvCys Conjugate" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413	ORM PTO	-1449		ATTY DOCKET NO.: PP0926.105				
CCE Unitlow et al. (1991), Methods: A Companion to Methods in Enzymology, Vol. 2, No. 2, pp. 97-105, "Single-Chain Fv Froteins and Their Fusion Proteins" CCF Nedelman et al. (1991) Abstract Form for Scientific Papers, No. 32070 The Society of Nuclear Hedicine 38th Annual Meeting, "Rapid Infarct Imaging with a New Tc-99m Antimyosin sFv Fragment: Evaluation in Acute Hyocardial Infarction in Dogs" CCG Waldmann (1991) Science, Vol. 252, pp. 1657-1662, "Monoclonal Antibodies in Diagnosis and Therapy" CCH Clackson et al. (1991) Nature, Vol. 352, pp. 624-628, "Haking antibody fragments using phage display libraries" CCI Ring et al. (1991) Molecular Immunology, Vol. 28, No. 8, pp. 915-917, "Identity of BCA200 and c-erbB-2 Indicated by Reactivity of Monoclonal Antibodies with Recombinant c-erbB-2." CCJ Hilenic et al. (1991) Cancer Research, Vol. 51, pp. 6363-6371, "Construction, Binding Properties, Metabolism, and Tumopr Targeting of a Single-Chain Fv Derived from the Fancarcinoma Monoclonal Antibody CC49" CCK Vels et al. (1992) J. Steroid Biochem. Molec. Biol., Vol. 43, No. 1-3 pp. 1-7, "Diminution of Antibodies Directed Against Tumor Cell Surfact Epitopes: A Single Chain Fv Pusion Molecule Specifically Recognizes the Extracellular Domain of the c-erbB-2 Receptor" CCL Pack et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibodies: Usine of Amphipathic Helics To Froduce Functional Flexibility Linked Dimeric Fv Fragments vith High Avidity in Escherichia coli" CCC Umber et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibodies use of Amphipathic Helics To Produce Functional, Flexibility Linked Dimeric Fv Fragments vith High Avidity in Escherichia coli" CCC Umber et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibody Forms" CCN Cumber et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibody Forms" CCN Cumber et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibody Forms" CCN Cumber et al. (1992) Cancer Research, Vol. 52, pp. 340	NFORMAT	ION DISC	LOSURE STATEMENT	APPLICANT: Huston et al.				
CCE Unitlow et al. (1991), Methods: A Companion to Methods in Enzymology, Vol. 2, No. 2, pp. 97-105, "Single-Chain Fv Froteins and Their Fusion Proteins" CCF Nedelman et al. (1991) Abstract Form for Scientific Papers, No. 32070 The Society of Nuclear Hedicine 38th Annual Meeting, "Rapid Infarct Imaging with a New Tc-99m Antimyosin sFv Fragment: Evaluation in Acute Hyocardial Infarction in Dogs" CCG Waldmann (1991) Science, Vol. 252, pp. 1657-1662, "Monoclonal Antibodies in Diagnosis and Therapy" CCH Clackson et al. (1991) Nature, Vol. 352, pp. 624-628, "Haking antibody fragments using phage display libraries" CCI Ring et al. (1991) Molecular Immunology, Vol. 28, No. 8, pp. 915-917, "Identity of BCA200 and c-erbB-2 Indicated by Reactivity of Monoclonal Antibodies with Recombinant c-erbB-2." CCJ Hilenic et al. (1991) Cancer Research, Vol. 51, pp. 6363-6371, "Construction, Binding Properties, Metabolism, and Tumopr Targeting of a Single-Chain Fv Derived from the Fancarcinoma Monoclonal Antibody CC49" CCK Vels et al. (1992) J. Steroid Biochem. Molec. Biol., Vol. 43, No. 1-3 pp. 1-7, "Diminution of Antibodies Directed Against Tumor Cell Surfact Epitopes: A Single Chain Fv Pusion Molecule Specifically Recognizes the Extracellular Domain of the c-erbB-2 Receptor" CCL Pack et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibodies: Usine of Amphipathic Helics To Froduce Functional Flexibility Linked Dimeric Fv Fragments vith High Avidity in Escherichia coli" CCC Umber et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibodies use of Amphipathic Helics To Produce Functional, Flexibility Linked Dimeric Fv Fragments vith High Avidity in Escherichia coli" CCC Umber et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibody Forms" CCN Cumber et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibody Forms" CCN Cumber et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibody Forms" CCN Cumber et al. (1992) Cancer Research, Vol. 52, pp. 340				 Serial No.: 09/558,741				
CCE Whitlow et al. (1991), Methods: A Companion to Methods in Enzymology, Vol. 2, No. 2, pp. 97-105, "Single-Chain Fv Froteins and Their Fusion Proteins" CCF Medman et al. (1991) Abstract Form for Scientific Papers, No. 32070 The Society of Nuclear Medicine 38th Annual Meeting, "Rapid Infarct Imaging with a New Tc-99m Antimyosin sFv Fragment: Evaluation in Acute Myocardial Infarction in Dogs" CCG Valdmann (1991) Science, Vol. 252, pp. 1657-1662, "Monoclonal Antibodies in Diagnosis and Therapy" CCH Clackson et al. (1991) Nature, Vol. 352, pp. 624-628, "Making antibody fragments using phage display libraries" CCI Ring et al. (1991) Molecular Immunology, Vol. 28, No. 8, pp. 915-917, "Identity of BCA200 and c-erbB-2 Indicated by Reactivity of Monoclonal Antibodies vith Recombinant c-erbB-2" CCJ Hilenic et al. (1991) Cancer Research, Vol. 51, pp. 6363-6371, "Construction, Binding, Properties, Metabolism, and Tumopr Targeting of a Single-Chain Fv Derived from the Pancarcinoma Monoclonal Antibody CC49" CCK Vels et al. (1992) J. Steroid Biochem. Molec. Biol., Vol. 43, No. 1-3 pp. 1-7, "Diminution of Antibodies Directed Against Tumor Cell Surface Epitopes: A Single Chain Fv Fusion Molecule Specifically Recognizes to Extracellular Domain of the c-erbB-2 Receptor" CCL Pack et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibodies: Use of Amphipathic Helics To Produce Functional, Flexibility Linked Dimeric Fv Fragments with Migh Avidity in Escherichia coli" CCM Vokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCN Cumber et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Pilotional Forms" CCN Schott et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody Froys Fragment and a bisFrcys Conjugate" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Pattern	EXAH.							
Nedelman et al. (1991) Abstract Form for Scientific Papers, No. 32070 The Society of Nuclear Redicine 38th Annual Meeting, "Rapid Infarct Imaging with a New Tc-99m Antimyosin sFv Fragment: Evaluation in Acute Hyocardial Infarction in Dogs" CCG	INIT.	γ	r 	FILING DATE: 4/26/00 GROUP: unassigned				
Nedelman et al. (1991) Abstract Form for Scientific Papers, No. 32070 The Society of Nuclear Redicine 38th Annual Meeting, "Rapid Infarct Imaging with a New Tc-99m Antimyosin sFv Fragment: Evaluation in Acute Hyocardial Infarction in Dogs" CCG		CCE	! Whitlow et al. (1	991). Hethods: A Companion to Methods in				
Nedelman et al. (1991) Abstract Form for Scientific Papers, No. 32070 The Society of Nuclear Redicine 38th Annual Meeting, "Rapid Infarct Imaging with a New Tc-99m Antimyosin sFv Fragment: Evaluation in Acute Hyocardial Infarction in Dogs" CCG		İ	Enzymology, Vol.	2, No. 2, pp. 97-105, "Single-Chain Fv				
CCF Nedelman et al. (1991) Abstract Form for Scientific Papers, No. 32070 The Society of Nuclear Hedicine 38th Annual Heeting, "Rapid Infarct Imaging vith a New Tc-99m Antimyosin sFv Fragment: Evaluation in Acute Hyocardial Infarction in Dogs" CCG Valdmann (1991) Science, Vol. 252, pp. 1657-1662, "Monoclonal Antibodies in Diagnosis and Therapy" CCH Clackson et al. (1991) Nature, Vol. 352, pp. 624-628, "Making antibody fragments using phage display libraries" CCI Ring et al. (1991) Molecular Immunology, Vol. 28, No. 8, pp. 915-917, "Identity of BCA200 and c-erbB-2 Indicated by Reactivity of Monoclonal Antibodies vith Recombinant c-erbB-2" CCJ Hilenic et al. (1991) Cancer Research, Vol. 51, pp. 6363-6371, "Construction, Binding Properties, Metabolism, and Tumopr Targeting of a Single-Chain Fv Derived from the Pancarcinoma Monoclonal Antibody CC49" CCK Vels et al. (1992) J. Steroid Biochem. Molec. Biol., Vol. 43, No. 1-3 pp. 1-7, "Diminution of Antibodies Directed Against Tumor Cell Surface Epitopes: A Single Chain Fv Presion Molecule Specifically Recognizes to Extracellular Domain of the c-erbB-2 Receptor" CCL Pack et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibodies: Use of Amphipathic Helics To Produce Functional, Flexibility Linked Dimeric Fv Fragments with High Avidity in Escherichia coli" CCM Yokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCM Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody Proys Fragment and a bisFoCys Conjugate" CCD Schott et al. (1992) Biotechnology, Vol. 10, pp. 1128-1132, "Constructive Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB. Receptor" CCC Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Fatterns of Iodinated v		1	Proteins and Thei	r Fusion Proteins"				
The Society of Nuclear Hedicine 38th Annual Recting, "Rapid Infarct Imaging vith a New Tc-99m Antimyosin sFv Fragment: Evaluation in Acute Myocardial Infarction in Dogs" CCG Valdmann (1991) Science, Vol. 252, pp. 1657-1662, "Monoclonal Antibodies in Diagnosis and Therapy" CCH Clackson et al. (1991) Nature, Vol. 352, pp. 624-628, "Making antibody fragments using phage display libraries" CCI Ring et al. (1991) Molecular Immunology, Vol. 28, No. 8, pp. 915-917, "Identity of BCA200 and c-erbB-2 Indicated by Reactivity of Monoclonal Antibodies vith Recombinant c-erbB-2 CCJ Hilenic et al. (1991) Cancer Research, Vol. 51, pp. 6363-6371, "Construction, Binding Properties, Metabolism, and Tumopr Targeting of a Single-Chain Fv Derived from the Pancarcinoma Monoclonal Antibody CCG9" CCK Vels et al. (1992) J. Steroid Biochem. Molec. Biol., Vol. 43, No. 1-3 pp. 1-7, "Diminution of Antibodies Directed Against Tumor Cell Surfac Epitopes: A Single Chain Fv Fusion Molecule Specifically Recognizes t Extracellular Domain of the c-erbB-2 Receptor" CCL Pack et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibodies: Use of Amphipathic Helics To Produce Functional, Flexibility Linked Dimeric Fv Fragments with High Avidity in Escherichia coli" CCM Yokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCM Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody Proys Fragment and a bisFoCys Conjugate" CCO Vels et al. (1992) Biotechnology, Vol. 10, pp. 1128-1132, "Constructive Bacterial Expression and Characterization of a Bifunctional Single- Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB. Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Ichelated Anticarcinoma Single-Chain Fv Molecules"			 	1001) Abarman Farm for Cainstifin Banars No. 22070				
Imaging with a New Tc-99m Antimyosin sFv Fragment: Evaluation in Acute Hyocardial Infarction in Dogs* CCG Valdmann (1991) Science, Vol. 252, pp. 1657-1662, "Honoclonal Antibodies in Diagnosis and Therapy" CCH Clackson et al. (1991) Nature, Vol. 352, pp. 624-628, "Haking antibody fragments using phage display libraries* CCI Ring et al. (1991) Molecular Immunology, Vol. 28, No. 8, pp. 915-917, "Identity of BCA200 and c-erbB-2 Indicated by Reactivity of Monoclonal Antibodies vith Recombinant c-erbB-2" CCJ Hilenic et al. (1991) Cancer Research, Vol. 51, pp. 6363-6371, "Construction, Binding Properties, Metabolism, and Tumopr Targeting of a Single-Chain Fv Derived from the Fancarcinoma Monoclonal Antibody CC49" CCK Vels et al. (1992) J. Steroid Biochem, Molec. Biol., Vol. 43, No. 1-3 pp. 1-7, "Diminution of Antibodies Directed Against Tumor Cell Surface Epitopes: A Single Chain Fv Fusion Molecule Specifically Recognizes the Extracellular Domain of the c-erbB-2 Receptor* CCL Fack et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibodies: Use of Amphipathic Helics To Produce Functional, Flexibility Linked Dimeric Fv Fragments with High Avidity in Escherichia coli* CCM Yokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision vith Other Immunoglobulin Forms* CCN Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody FvCys Fragment and a bisFvCys Conjugate" CCC Vels et al. (1992) Biotechnology, Vol. 10, pp. 1128-1132, "Constructic Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB. Receptor" CCC Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Fatterns of Todinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Molecules"		TCCF	The Society of Nu	clear Medicine 38th Annual Meeting "Rapid Infarct				
Myocardial Infarction in Dogs"		1	Tmaging with a Ne	u Tc-99m Antimyosin sFy Fragment: Evaluation in Acute				
CCG Valdmann (1991) Science, Vol. 252, pp. 1657-1662, "Honoclonal Antibodies in Diagnosis and Therapy" CCH Clackson et al. (1991) Nature, Vol. 352, pp. 624-628, "Haking antibody fragments using phage display libraries" CCI Ring et al. (1991) Molecular Immunology, Vol. 28, No. 8, pp. 915-917, "Identity of BCA200 and c-erbB-2 Indicated by Reactivity of Monoclonal Antibodies with Recombinant c-erbB-2" CCJ Hilenic et al. (1991) Cancer Research, Vol. 51, pp. 6363-6371, "Construction, Binding Properties, Metabolism, and Tumopr Targeting of a Single-Chain Fv Derived from the Pancarcinoma Monoclonal Antibody CC49" CCK Vels et al. (1992) J. Steroid Biochem. Molec. Biol., Vol. 43, No. 1-3 pp. 1-7, "Diminution of Antibodies Directed Against Tumor Cell Surfac Epitopes: A Single Chain Fv Fusion Molecule Specifically Recognizes to Extracellular Domain of the c-erbB-2 Receptor" CCL Pack et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibodies: Use of Amphipathic Helics To Produce Functional, Flexibility Linked Dimeric Fv Fragments with High Avidity in Escherichia coli" CCM Yokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCN Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody FvCys Fragment and a bisFvCys Conjugate" CCO Vels et al. (1992) Biotechnology, Vol. 10, pp.1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Frotein Targeted to the Human ERBB Receptor" CCCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Hetabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Molecules"			Hyocardial Infarc	tion in Dogs"				
Antibodies in Diagnosis and Therapy" CCH Clackson et al. (1991) Nature, Vol. 352, pp. 624-628, "Making antibody fragments using phage display libraries" CCI Ring et al. (1991) Holecular Immunology, Vol. 28, No. 8, pp. 915-917, "Identity of BCA200 and c-erbB-2 Indicated by Reactivity of Monoclonal Antibodies with Recombinant c-erbB-2" CCJ Milenic et al. (1991) Cancer Research, Vol. 51, pp. 6363-6371, "Construction, Binding Properties, Metabolism, and Tumopr Targeting of a Single-Chain Fv Derived from the Fancarcinoma Monoclonal Antibody CC49" CCK Vels et al. (1992) J. Steroid Biochem. Molec. Biol., Vol. 43, No. 1-3 pp. 1-7, "Diminution of Antibodies Directed Against Tumor Cell Surface Epitopes: A Single Chain Fv Fusion Molecule Specifically Recognizes to Extracellular Domain of the c-erbB-2 Receptor" CCL Pack et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibodies: Use of Amphipathic Helics To Produce Functional, Flexibility Linked Dimeric Fv Fragments with High Avidity in Escherichia coli" CCM Yokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCN Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody FvCys Fragment and a bisFvCys Conjugate" CCO Vels et al. (1992) Biotechnology, Vol. 10, pp.1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Frotein Targeted to the Human ERBB Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Molecules"			1					
CCH Clackson et al. (1991) Nature, Vol. 352, pp. 624-628, "Making antibody fragments using phage display libraries" CCI Ring et al. (1991) Kolecular Immunology, Vol. 28, No. 8, pp. 915-917, "Identity of BCA200 and c-erbB-2 Indicated by Reactivity of Monoclonal Antibodies with Recombinant c-erbB-2" CCJ Milenic et al. (1991) Cancer Research, Vol. 51, pp. 6363-6371, "Construction, Binding Properties, Metabolism, and Tumopr Targeting of a Single-Chain Fv Derived from the Fancarcinoma Monoclonal Antibody CC49" CCK Vels et al. (1992) J. Steroid Biochem. Molec. Biol., Vol. 43, No. 1-3 pp. 1-7, "Diminution of Antibodies Directed Against Tumor Cell Surfac Epitopes: A Single Chain Fv Pusion Molecule Specifically Recognizes to Extracellular Domain of the c-erbB-2 Receptor" CCL Pack et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibodies: Use of Amphipathic Helics To Produce Functional, Flexibility Linked Dimeric Fv Fragments with High Avidity in Escherichia coli" CCM Yokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCN Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody FvCys Fragment and a bisFvCys Conjugate" CCO Vels et al. (1992) Biotechnology, Vol. 10, pp.1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Molecules"		CCG						
Fragments using phage display libraries"	•		Antibodies in Dia	gnosis and Therapy"				
Fragments using phage display libraries"		CCH	Clackson et al /	1991) Nature Vol. 352, nn. 624-628. "Haking antibody				
CCI Ring et al. (1991) Molecular Immunology, Vol. 28, No. 8, pp. 915-917, "Identity of BCA200 and c-erbB-2 Indicated by Reactivity of Monoclonal Antibodies with Recombinant c-erbB-2" CCJ Milenic et al. (1991) Cancer Research, Vol. 51, pp. 6363-6371, "Construction, Binding Properties, Metabolism, and Tumopr Targeting of a Single-Chain Fv Derived from the Pancarcinoma Monoclonal Antibody CC49" CCK Vels et al. (1992) J. Steroid Biochem. Molec. Biol., Vol. 43, No. 1-3 pp. 1-7, "Diminution of Antibodies Directed Against Tumor Cell Surface Epitopes: A Single Chain Fv Fusion Molecule Specifically Recognizes to Extracellular Domain of the c-erbB-2 Receptor" CCL Pack et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibodies: Use of Amphipathic Helics To Produce Functional, Flexibility Linked Dimeric Fv Fragments with High Avidity in Escherichia coli" CCM Yokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCN Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody FvCys Fragment and a bisFvCys Conjugate" CCO Vels et al. (1992) Biotechnology, Vol. 10, pp.1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single—Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB-Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Molecules"		100	fragments using n	hage display libraries"				
"Identity of BCA200 and c-erbB-2 Indicated by Reactivity of Honoclonal Antibodies with Recombinant c-erbB-2" Kilenic et al. (1991) Cancer Research, Vol. 51, pp. 6363-6371, "Construction, Binding Properties, Metabolism, and Tumopr Targeting of a Single-Chain Fv Derived from the Pancarcinoma Honoclonal Antibody CC49" CCK		j						
Antibodies with Recombinant c-erbB-2" CCJ Milenic et al. (1991) Cancer Research, Vol. 51, pp. 6363-6371, "Construction, Binding Properties, Metabolism, and Tumopr Targeting of a Single-Chain Fv Derived from the Pancarcinoma Honoclonal Antibody CC49" CCK Vels et al. (1992) J. Steroid Biochem. Molec. Biol., Vol. 43, No. 1-3		CCI	Ring et al. (1991) Holecular Immunology, Vol. 28, No. 8, pp. 915-917,				
CCJ Milenic et al. (1991) Cancer Research, Vol. 51, pp. 6363-6371, "Construction, Binding Properties, Hetabolism, and Tumopr Targeting of a Single-Chain Fv Derived from the Pancarcinoma Monoclonal Antibody CC49" CCK Vels et al. (1992) J. Steroid Biochem. Holec. Biol., Vol. 43, No. 1-3 pp. 1-7, "Diminution of Antibodies Directed Against Tumor Cell Surface Epitopes: A Single Chain Fv Fusion Holecule Specifically Recognizes to Extracellular Domain of the c-erbB-2 Receptor" CCL Pack et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Kiniantibodies: Use of Amphipathic Helics To Produce Functional, Flexibility Linked Dimeric Fv Fragments with High Avidity in Escherichia coli" CCM Yokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCN Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody FvCys Fragment and a bisFvCys Conjugate" CCO Vels et al. (1992) Biotechnology, Vol. 10, pp.1128-1132, "Constructive Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB-Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Holecules"								
"Construction, Binding Properties, Metabolism, and Tumopr Targeting of a Single-Chain Fv Derived from the Pancarcinoma Monoclonal Antibody CC49" CCK Wels et al. (1992) J. Steroid Biochem. Molec. Biol., Vol. 43, No. 1-3 pp. 1-7, "Diminution of Antibodies Directed Against Tumor Cell Surface Epitopes: A Single Chain Fv Fusion Holecule Specifically Recognizes to Extracellular Domain of the c-erbB-2 Receptor" CCL Pack et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibodies: Use of Amphipathic Helics To Produce Functional, Flexibility Linked Dimeric Fv Fragments with High Avidity in Escherichia coli" CCM Yokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCN Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant Mouse Antibody FvCys Fragment and a bisFvCys Conjugate" CCO Vels et al. (1992) Biotechnology, Vol. 10, pp.1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB. Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Molecules"		1	Antibodies with F	decombinant c-erbB-2"				
"Construction, Binding Properties, Metabolism, and Tumopr Targeting of a Single-Chain Fv Derived from the Pancarcinoma Monoclonal Antibody CC49" CCK Wels et al. (1992) J. Steroid Biochem. Molec. Biol., Vol. 43, No. 1-3 pp. 1-7, "Diminution of Antibodies Directed Against Tumor Cell Surface Epitopes: A Single Chain Fv Fusion Holecule Specifically Recognizes to Extracellular Domain of the c-erbB-2 Receptor" CCL Pack et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibodies: Use of Amphipathic Helics To Produce Functional, Flexibility Linked Dimeric Fv Fragments with High Avidity in Escherichia coli" CCM Yokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCN Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant Mouse Antibody FvCys Fragment and a bisFvCys Conjugate" CCO Vels et al. (1992) Biotechnology, Vol. 10, pp.1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB. Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Molecules"		l CC I	/ Wilonic of al /1	001) Cancer Research Vol 51 nn 6363-6371				
CCK Vels et al. (1992) J. Steroid Biochem. Molec. Biol., Vol. 43, No. 1-3 pp. 1-7, "Diminution of Antibodies Directed Against Tumor Cell Surface Epitopes: A Single Chain Fv Fusion Molecule Specifically Recognizes t Extracellular Domain of the c-erbB-2 Receptor" CCL Pack et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibodies: Use of Amphipathic Helics To Produce Functional, Flexibility Linked Dimeric Fv Fragments with High Avidity in Escherichia coli" CCM Yokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCN Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody FvCys Fragment and a bisFvCys Conjugate" CCO Vels et al. (1992) Biotechnology, Vol. 10, pp.1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Molecules"		1003	"Construction Bi	inding Properties. Metabolism, and Tumopr Targeting of				
CCK Vels et al. (1992) J. Steroid Biochem. Holec. Biol., Vol. 43, No. 1-3 pp. 1-7, "Diminution of Antibodies Directed Against Tumor Cell Surface Epitopes: A Single Chain Fv Fusion Holecule Specifically Recognizes to Extracellular Domain of the c-erbB-2 Receptor" CCL Pack et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibodies: Use of Amphipathic Helics To Produce Functional, Flexibility Linked Dimeric Fv Fragments with High Avidity in Escherichia coli" CCH Yokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCN Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody FvCys Fragment and a bisFvCys Conjugate" CCO Vels et al. (1992) Biotechnology, Vol. 10, pp.1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Holecules"		i	a Single-Chain Fy	Derived from the Pancarcinoma Monoclonal Antibody				
pp. 1-7, "Diminution of Antibodies Directed Against Tumor Cell Surface Epitopes: A Single Chain Fv Fusion Molecule Specifically Recognizes to Extracellular Domain of the c-erbB-2 Receptor" CCL Pack et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibodies: Use of Amphipathic Helics To Produce Functional, Flexibility Linked Dimeric Fv Fragments with High Avidity in Escherichia coli" CCM Yokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCN Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody FvCys Fragment and a bisFvCys Conjugate" CCO Vels et al. (1992) Biotechnology, Vol. 10, pp.1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB. Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Molecules"		İ						
pp. 1-7, "Diminution of Antibodies Directed Against Tumor Cell Surface Epitopes: A Single Chain Fv Fusion Molecule Specifically Recognizes to Extracellular Domain of the c-erbB-2 Receptor" CCL Pack et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibodies: Use of Amphipathic Helics To Produce Functional, Flexibility Linked Dimeric Fv Fragments with High Avidity in Escherichia coli" CCM Yokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCN Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody FvCys Fragment and a bisFvCys Conjugate" CCO Vels et al. (1992) Biotechnology, Vol. 10, pp.1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB. Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Molecules"								
Epitopes: A Single Chain Fv Fusion Molecule Specifically Recognizes to Extracellular Domain of the c-erbB-2 Receptor" CCL Pack et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibodies: Use of Amphipathic Helics To Produce Functional, Flexibility Linked Dimeric Fv Fragments with High Avidity in Escherichia coli" CCM Yokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCN Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody FvCys Fragment and a bisFvCys Conjugate" CCO Vels et al. (1992) Biotechnology, Vol. 10, pp.1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB-Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Molecules"		CCK		2) J. Steroid Biochem. Holec. Biol., Vol. 43, No. 1-3,				
Extracellular Domain of the c-erbB-2 Receptor" CCL Pack et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Miniantibodies: Use of Amphipathic Helics To Produce Functional, Flexibility Linked Dimeric Fv Fragments with High Avidity in Escherichia coli" CCM Yokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCN Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody FvCys Fragment and a bisFvCys Conjugate" CCO Vels et al. (1992) Biotechnology, Vol. 10, pp.1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB-Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Molecules"		1	Fritones: A Sing	tion of Antibodies birected Against Tumor Cerr Surface				
CCL Pack et al. (1992) Biochemistry, Vol. 31, No. 6, pp. 1579-1584, "Hiniantibodies: Use of Amphipathic Helics To Produce Functional, Flexibility Linked Dimeric Fv Fragments with High Avidity in Escherichia coli" CCM Yokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCN Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody FvCys Fragment and a bisFvCys Conjugate" CCO Vels et al. (1992) Biotechnology, Vol. 10, pp.1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB-Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Holecules"		į						
"Miniantibodies: Use of Amphipathic Helics To Produce Functional, Flexibility Linked Dimeric Fv Fragments with High Avidity in Escherichia coli" CCM Yokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCN Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant Mouse Antibody FvCys Fragment and a bisFvCys Conjugate" CCO Vels et al. (1992) Biotechnology, Vol. 10, pp.1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB-Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Molecules"		İ						
CCM Yokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms"		ccr	Pack et al. (199)	2) Biochemistry, Vol. 31, No. 6, pp. 1579-1584,				
CCH Yokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCN Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody FvCys Fragment and a bisFvCys Conjugate" CCO Vels et al. (1992) Biotechnology, Vol. 10, pp.1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB-Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Holecules"	•	1	"Kiniantibodies:	Use of Amphipathic Helics To Produce Functional,				
CCM Yokota et al. (1992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCN Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody FvCys Fragment and a bisFvCys Conjugate" CCO Vels et al. (1992) Biotechnology, Vol. 10, pp.1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB. Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Holecules"		1		ed Dimeric PV Fragments with high Avidity in Escheli-				
Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCN Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody FvCys Fragment and a bisFvCys Conjugate" CCO Vels et al. (1992) Biotechnology, Vol. 10, pp.1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB. Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Molecules"		i	CHIA COLL					
Tumor Penetration of a Single-Chain Fv and Comparision with Other Immunoglobulin Forms" CCN Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody FvCys Fragment and a bisFvCys Conjugate" CCO Vels et al. (1992) Biotechnology, Vol. 10, pp.1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB. Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Molecules"		<u> і ссн</u>	Yokota et al. (1	992) Cancer Research, Vol. 52, pp. 3402-3408, "Rapid				
CCN Cumber et al. (1992) The Journal of Immunology, Vol. 149, No. 1, pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant Mouse Antibody FvCys Fragment and a bisFvCys Conjugate" CCO Wels et al. (1992) Biotechnology, Vol. 10, pp.1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Molecules"		1	Tumor Penetratio	n of a Single-Chain Fv and Comparision with Other				
pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody FvCys Fragment and a bisFvCys Conjugate" CCO			Immunoglobulin F	orms"				
pp. 120-126, "Comparative Stabilities in Vitro and in Vivo of a Recombinant House Antibody FvCys Fragment and a bisFvCys Conjugate" CCO		I CCN	Cumbon of al. (1	002) The Journal of Immunology Vol 1/9 No 1				
binant House Antibody FvCys Fragment and a bisFvCys Conjugate" CCO Wels et al. (1992) Biotechnology, Vol. 10, pp.1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Kolecules"		-	pp. 120-126 "Co	mnarative Stabilities in Vitro and in Vivo of a Recom-				
CCO Wels et al. (1992) Biotechnology, Vol. 10, pp.1128-1132, "Construction Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Molecules"		i	binant House Ant	ibody FvCys Fragment and a bisFvCys Conjugate"				
Bacterial Expression and Characterization of a Bifunctional Single-Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB-Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Holecules"	٠.	į	1					
Chain Antibody-Phosphatase Fusion Protein Targeted to the Human ERBB-Receptor" CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Hetabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Holecules"		1 CCO	Vels et al. (199	2) Biotechnology, Vol. 10, pp.1128-1132, "Construction				
CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Hetabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Holecules"		1	Bacterial Expres	sion and Characterization of a Bitunctional Single-				
CCP Schott et al. (1992) Cancer Research, Vol. 52, pp. 6413-6417, "Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Holecules"		1	Recentor"	mosphalase rusion rrotein largeted to the human expo-				
"Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Holecules"			Vecebror					
"Differential Metabolic Patterns of Iodinated versus Radiometal Chelated Anticarcinoma Single-Chain Fv Holecules"	i	CCP	Schott et al. (1	992) Cancer Research, Vol. 52, pp. 6413-6417,				
			"Differential Me	etabolic Patterns of Iodinated versus Radiometal				
TARTUED DATE CONCYDED			Chelated Anticar	cinoma Single-Chain Fv Holecules"				
	CAIDA	20		DAME COMPANY				
DATE CONSIDERED	<u>EXAMINE</u>	rk		DATE CONSIDERED				

FORH PTO	D-1449		ATTY DOCKET NO.: PP0926.105					
INFORKAT	rion disc	LOSURE STATEMENT	APPLICANT: Huston et al.					
			Serial No.: 09/558,741					
EXAM. INIT.			FILING DATE: 4/26/00 GROUP: unassigned					
	Ţ							
······································	CCQ	Inhibition of Tumo						
	1 .	Toxin Specific for	the erbs-2 Receptor"					
	CCR							
	ccs	 Adams et al. (1993	3) Abstract. International Conference on Monoclonal					
	-i	Antibody Immunocor	ijugates for Cancer, "Demonstratioon of in vivo					
		specificity of 125	5I-741F8 sFv, a single-chain Fv molecule"					
	ССТ	Huston et al. (199	93) Immunotechnology, Proceedings of the 21st Federal					
		of European Bioche	con of Tumor Cell Growth by a Recombinant Single-Chain Antibody recific for the erbB-2 Receptor" 1 et al. (1993) The Journal of Nuclear Medicine, Vol. 34, pp. 1 "Rapid Infarct Imaging with a Technitium-99m-Labeled Anti- recombinant Single-Chain Fv: Evaluation in a Canine Model of rocoardial Infarction" 2 al. (1993) Abstract, International Conference on Monoclonal Antimunoconjugates for Cancer, "Demonstration of in vivo city of 1251-741F8 sFv, a single-chain Fv molecule" 2 tal. (1993) Immunotechnology, Proceedings of the 21st Federal rean Biochemical Societies Meeting, Dublin, pp. 47-60, "Single-munotechnology of Fv analogues and fusion proteins" 2 et al. (1993) Biotechnology, Advances in Gene Technology Engineering and Beyond, Proceedings of the 1993 Miami Bio/Ogy Vinter Symposium, "Refolding of Single-Chain Fv with call Cysteine (sFv'): Formation of Disulfide-Bonded Homodimers of 2 erbB-2 and Anti-digoxin sFv'" 2 et al. (1993) Intern. Rev. Immunol., Vol. 10, pp. 195-217, Applications of Single-Chain Antibodies" 2 tal. (May 1993) Abstract, The Tenth International Hammersmith Male, "Demonstration of in vivo tumor specificity of monovalent alent forms of 1251-741F8 sFv, an anti-c-erbB-2 single-chain cule" 2 et al. (May 1993) Abstract for the 10th Hammersmith Meeting ing and Characterization of single-chain Fv analogues having mal cysteine (sFv): physicochemical behavior in vitro and tumor aution in vivo of monovalent sFv and bivalent (sFv), species					
	CCU							
	j	Terminal Cysteine	(sFv'): Formation of Disulfide-Bonded Homodimers of					
		Anti-c-erbB-2 and	Anti-digoxin sFv'"					
	ccv	Huston et al. (19	93) Intern. Rev. Immunol Vol. 10. pp. 195-217.					
	- j	"Medical Applicat	ions of Single-Chain Antibodies"					
	CCV	Adams et al. (Hay	1993) Abstract, The Tenth International Hammersmith					
<u>-</u>		Conference, "Demoi	nstration of in vivo tumor specificity of monovalent					
	1	and divalent form. Fv molecule	s of 1251-741F8 sFv, an anti-c-erbB-2 single-chain					
	İ	114 molecule						
	CCX	Huston et al. (Ha	y 1993) Abstract for the 10th Hammersmith Heeting					
	1	"Refolding and Ch	aracterization of single-chain Fv analogues having					
	j	localization in v	ivo of monovalent sFv and bivalent (sFv), species					
		directed to the c	-erbB-2 twmor antigen and digoxin"					
	CCY	 Holliger et al. (1993) Proc. Natl. Acad. Sci. USA, Vol. 90, pp. 6444-					
			Small bivalent and bispecific antibody fragments"					
	CCZ	Adams of al (100						
	.	Specific in Vivo	3) Cancer Research, Vol. 53, pp. 4026-4034, "Highly Targeting by Honovalent and Divalent Forms of 741F8					
	-	Anti-c-erbB-2 Sin	gle-Chain Fv ¹ "					
	CCCA	Jacobs (1991) Bio	otechnology 9:258-262.					
	СССВ	Reichmann et al. (1988) Nature 332: 323-327.						
	<u>_</u> - <u>-</u>							
EXAMIN	ER 054/3.AH8		DATE CONSIDERED					

÷

												. 1
RH PTO	0-144	49	1.4	ATTY DOCK	ET NO.:	PP09	26.1	05				i
		DISCLOSURE STA	TEHENT _	APPLICANT	r: Husto	n et	al.	·				
LOKDA		D10020001111		Serial No	09/55	8,74	.1					
			į-	FILING D	ATE: 4/2	6/00)		GROUP	un	assign	ed
			· 	PATENT			•				- 	G DATE
AH.		DOCUMENT		NAME			CLA	SS	SUB CLAS		IF AP	G DATE PROPRIATE
IIT.		NUKBER	DATE	<u> </u>			530		350		l 1	
BB	AG	5,258,498	11/02/93	Huston			435		172.	3		
_	AH	5,260,203	11/09/93	Ladner			435		172.			
	AI	5,571,894	11/05/96	Wels e	t al.		<u> </u>		-	<u> </u>	1	
	AJ	5,587,458	12/24/96	King e	t al.		<u> </u>		 		 	
	1			\ \			<u> </u>		<u> </u>		-	
	†						1		<u> </u>		<u> </u>	
			FORFI	H PATENI	DOCUHEN	TS						ENGLISH
XAM.	1	DOCUMENT		COUNTRY	CLASS	SUI	ASS	FI DA	LING TE	ONL	TRACT Y	LANG YA
NIT.	+-	NUKBER	DATE	CODE	UZ.UU					ĺ		
	╬		. 1									1
	<u> </u>		1		<u> </u>	-						
					 	 		\ \		 		
	1				<u> </u>	<u> </u>		-				1
			<u> </u>	· 	<u> </u>	<u> </u>		<u>i</u>		<u>i</u>	<u> </u>	<u> </u>
		·	OTHER AR	T, JOURNA	AL ARTICI	LES,	ETC.			<u>-</u>		
EXA	•		<u> </u>		G DATE:				GR	OUP:		
INI	T.		on, Abstrac			Se	rial	No.	UO1 (CA518	80-05	<u> </u>
	_	CCCC Housto	on, Abstrac	t from N.	in Grant	<u> </u>						
ļ			thun (1992)		1 D4	10=+	Ant i	Lho4	ly Fra	oment	s Pro	duced in
1		CCCD Pluckt	thun (1992)	"Mono-	Folding	and	Antic	zen	Bindi	ng,"	Immun	ological
\ \ \		Escherichia Reviews, 130	coli: Engir <u>: 151-188.</u>	eering,								
	٠.	T						. <u></u>				
1-		/Lumn	Bristol/		1 5	ለጥሮ	CUNZ.	TDEF	RED .	02	/23/20	007

COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231



Serial No.: 09/558,741

Filed: April 26, 2000

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)

Sheet 1 of 1

in the Lorina of James S. HUSTON, et al.

Art Unit: 1644

Examiner: T. Cunningham

Title: BIOSYNTHETIC BINDING PROTEINS FOR IMMUNO-TARGETING

ATAICH

出山

U.S. PATENT DOCUMENTS

LAB	
J,	ľ

	Exam. Init.	Ref. Desig.	Document No.	Date	Name	Class	Sub Class	Filing Date
3	101	AA-1	5,877,305	March 2, 1999	Huston et al.			
	VA	AB-1	6,054,561	April 25, 2000	Ring	· · ·		

FOREIGN PATENT DOCUMENTS

Exam.	Ref. Desig.	Document No.	Publication Date	Country or Patent Office	Class	Sub Class	Trans YES	lation NO
4	AC-1					<u></u>		

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Exam. Init.	Ref. Desig.	Description
	AD-1	
1	AD-1	

/Lynn	Bristol/	•

02/23/2007

Examiner:

Date Considered:

EXAMINER. Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line through the citation if not in conformance and not considered. Include copy of this form with next communication to applicant.